

**In the United States Patent and Trademark Office**

Application No.: 10/016,661  
Filed: 10/29/2001  
Title: Long Elements Method for Simulation of Deformable Objects  
Applicant(s): Remis Balaniuk et al.  
Examiner: Kibrom K. Gebresilassie  
Art Unit: 2672

Mailed 8/19/05  
Palo Alto, CA

**Information Disclosure Statement**

Commissioner of Patents and Trademarks  
Alexandria, VA 22313

Dear Sir or Madam:

Attached is a completed Form PTO-1449 and copies of the pertinent parts of the references cited thereon. It is requested that the document(s) on the enclosed form be made of record.

**Part I (Authority)**

This statement is filed pursuant to:

( ) 37 C.F.R. § 1.97(b).

This information disclosure statement is filed either (1) within three months of the filing date of the national application; (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application; (3) before the mailing date of a first office action on the merits, or (4) before the mailing of a first Office action after the filing of an RCE under § 1.114, whichever event occurs last.

Accordingly, this information disclosure statement requires no fee and no certification.

(X) 37 C.F.R. § 1.97(c).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing date of either (1) a final action under 37 C.F.R. § 1.113 or (2) a notice of allowance under 37 C.F.R. § 1.311.

Accordingly, this information disclosure statement requires either the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) (\$180), or a certification according to 37 C.F.R. § 1.97(e).

( ) 37 C.F.R. § 1.97(d).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(c).

Accordingly, this information disclosure statement requires the fee specified in 37 C.F.R. § 1.17(p) (\$180) and a certification according to 37 C.F.R. § 1.97(e).

**Conditional Petition**

It is respectfully requested that this information disclosure statement be considered, good cause being presented in Part III herein (certification). Please treat this paper as the required petition.

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record.

To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.

## Part II (Payment)

A check is enclosed as indicated:

- ☐ No fee is due.
- ☒ The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) or 37 C.F.R. § 1.97(d) is enclosed (\$180).

## Part III (Certification)

Pursuant to 37 C.F.R. § 1.97(e), I certify:

- ☒ No certification is necessary.
- ☐ Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement.
- ☐ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of the statement.

## Part IV (Additional Statement)

An additional statement regarding these items of information ☐ is, ☒ is not, enclosed.

Copies of the cited documents ☒ are enclosed, ☐ are of record in parent application Serial No. \_\_\_\_\_ and will be provided if the Examiner deems it convenient.

Dated: August 19, 2005

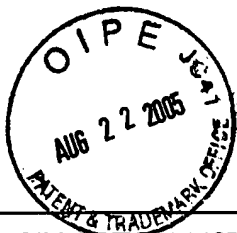
Respectfully submitted,



Miriam Kaplan  
Reg. No. 55,315  
2345 Yale Street, 2<sup>nd</sup> Floor  
Palo Alto, CA 94306  
tel: (650) 424-0100  
fax: (650) 424-0141



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE		ATTY. DOCKET NO. S00-226/US		SERIAL NO. 10/016,661							
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Remis Balaniuk et al.							
				FILING DATE 10/29/2001		GROUP 2672					
U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCUMENT NUMBER		DATE		NAME		RELEVANT INFORMATION			
FOREIGN PATENT DOCUMENTS											
		2- letter code		DOCUMENT NUMBER		DATE		COUNTRY		TRANSLATION	
										YES NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)											
		A		LEM - An approach for physically based soft tissue simulation suitable for haptic interaction Conference Paper, Fifth PHANTOM Users Group Workshop ^ PUG00 Aspen, USA, October 2000. <a href="http://www.cs.sandia.gov/SEL/conference/pug00/papers.htm">http://www.cs.sandia.gov/SEL/conference/pug00/papers.htm</a>							
		B		Static Solution for Real Time Deformable Objects with Fluid Inside Costa, Ivan and Balaniuk, Remis ERCIM News No.44 - January 2001 <a href="http://www.ercim.org/publication/Ercim_News/enw44/costa.html">http://www.ercim.org/publication/Ercim_News/enw44/costa.html</a>							
EXAMINER						DATE CONSIDERED					
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.											



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE				ATTY. DOCKET NO. S00-226/US		SERIAL NO. 10/016,661		
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Remis Balaniuk et al.				
				FILING DATE 10/29/2001		GROUP 2672		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER			DATE	NAME		RELEVANT INFORMATION
FOREIGN PATENT DOCUMENTS								
		2- letter code	DOCUMENT NUMBER		DATE	COUNTRY		TRANSLATION
								YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	A		LEM - An approach for physically based soft tissue simulation suitable for haptic interaction Conference Paper, Fifth PHANTOM Users Group Workshop ^ PUG00 Aspen, USA, October 2000. <a href="http://www.cs.sandia.gov/SEL/conference/pug00/papers.htm">http://www.cs.sandia.gov/SEL/conference/pug00/papers.htm</a>					
	B		Static Solution for Real Time Deformable Objects with Fluid Inside Costa, Ivan and Balaniuk, Remis ERCIM News No.44 - January 2001 <a href="http://www.ercim.org/publication/Ercim_News/enw44/costa.html">http://www.ercim.org/publication/Ercim_News/enw44/costa.html</a>					
EXAMINER					DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								